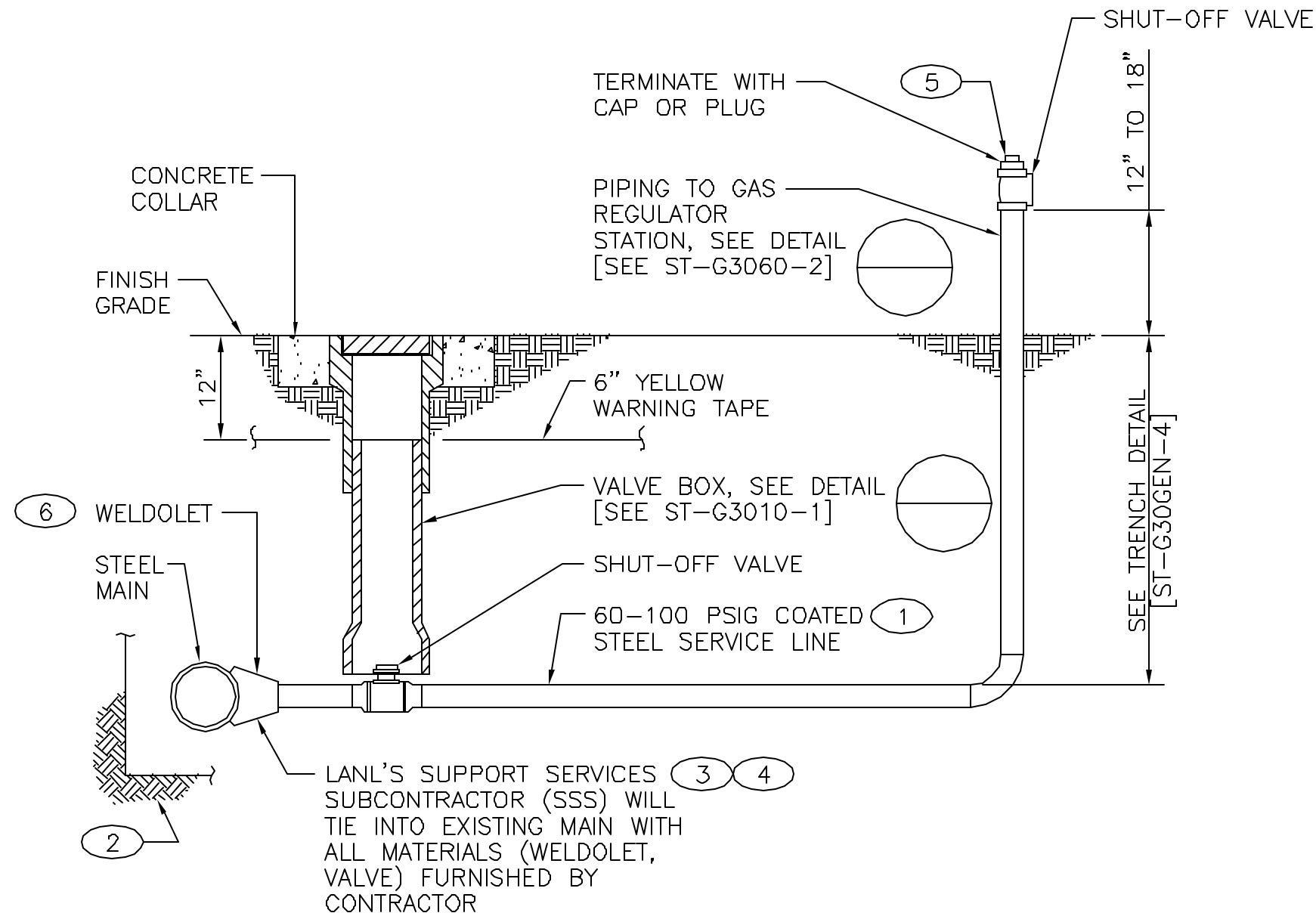


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## GAS PIPING TIE-IN DETAIL

SCALE: NONE

### NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. SEE SHEET 4.
2. PROVIDE 2" MINIMUM STEEL SERVICE LINE.
3. CONTACT LANL'S SSS UTILITIES CORROSION SPECIALIST, 665-5270, OR LANL UTILITIES GROUP GAS SYSTEM REPRESENTATIVE, 665-2612 FOR CATHODIC PROTECTION REQUIREMENTS. ALSO REFER TO THE LEM ELECTRICAL CHAPTER SECTION G4040 (FUTURE).

DRAWING DEVELOPED FOR ML-3 PROJECTS. FOR ML-1/ML-2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE).

### KEYED NOTES:

- 1 RUN NEW SERVICE LINE TO WITHIN 6" OF EXISTING MAIN.
- 2 MINIMUM BELL HOLE AT BOTTOM OF TRENCH: 24" FROM CENTERLINE OF NEW PIPE ON EACH SIDE; 18" FROM EDGE ON BACK SIDE; 4'-0" IN FRONT OF MAIN (LENGTH OF BELL HOLE); 18" UNDER MAIN. TAPER OR STEP TRENCH TO MEET OSHA REQUIREMENTS.
- 3 LANL CONSTRUCTION INSPECTOR WILL ENSURE MATERIALS REQUIRED FOR TIE-IN ARE AT THE JOB SITE, SERVICE LINE HAS BEEN PRESSURE TESTED, AND BELL HOLE IS DUG PRIOR TO NOTIFYING SSS.
- 4 LANL CONSTRUCTION INSPECTOR WILL NOTIFY SSS 2 WEEKS IN ADVANCE TO SCHEDULE TIE-IN. TRACER WIRE CONTINUITY TESTING, AND UTILITY DOCUMENTATION.
- 5 LOCATE STUB-OUT FOR GAS REGULATOR 8" TO 12" FROM BUILDING. ENSURE PIPING IS STRAIGHT, LEVEL AND PLUMB WITH BUILDING.
- 6 WHEN TIE-IN PIPING IS EQUAL TO OR EXCEEDS 1/2 OF MAIN DIAMETER, MAKE TIE-IN WITH FULL CIRCLE WELD CLAMP OR BY CUTTING IN A TEE.

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NO	DATE	CLASS	REV	DESCRIPTION	OWN	VER	CHKD	SUB	APP
<b>FACILITY &amp; WASTE OPERATIONS SYSTEMS ENGINEERING &amp; MAINTENANCE</b>									
LANL ENGINEERING MANUAL				DRAWN	R.PEARSON				
GAS PIPING TIE-IN DETAIL STEEL SERVICE LINE TO STEEL MAIN				DESIGN	J.GONZALES				
BLDG. X				CHECKED	M.SMITHOUR				
SUBMITTED				DATE	6-28-99				
DISCIPLINE: POC: E. HOTH				APPROVED FOR RELEASE	STANDARDS MANAGER: TOSH GRUCH				
Los Alamos NATIONAL LABORATORY				SHEET	1				
CLASSIFICATION: U				REVIEWER: LARRY BAYS	DATE				
PROJECT ID				DRAWING NO	REV				
CHAPTER 3				ST-G3060-1	1				